Maintenance

Cleaning

Aneroid Gauge, Inflation Bulb, and Valve: Wipe the aneroid gauge, inflation bulb, and valve with slightly dampened cloth or alcohol pad.

Reusable One-Piece Blood Pressure Cuff: Use one or more of the following methods and allow to air dry:

- Wipe with mild detergent and water solution (1:9 solution). Rinse.
- Wipe with Enzol per manufacturer's instructions. Rinse.
- Wipe with 0.5% bleach and water solution. Rinse.
- Wipe with 70% isopropyl alcohol.
- Launder with mild detergent in warm water (60 °C max), normal wash cycle. Cuff is compatible with 5 wash cycles (Reusable only). Close port cuff with laundering plug (part no. 5082-159).

Two-Piece Cuff and Bladder: Safely clean the cuffs with a damp cloth or wash in warm water (60° C maximum) with mild detergent. DO NOT PRESS WITH HOT IRON.

Before laundering the cuff:

1. Remove the bladder from the two-piece cuff.
2. Place the hook and loop fasteners in the closed position.
3. Machine launder using gentle cycle, warm water and mild detergent.
4. Air dry completely and reassemble components.

Low-level disinfection procedure (FlexiPort Reusable cuffs only):

Prepare Enzol® enzymatic detergent according to manufacturer's instructions. Apply port-cap (accessory part 5082-159) to cuff. Spray detergent solution liberally onto cuff and use a sterile brush to agitate the detergent solution over entire cuff surface for five minutes. Rinse continuously with distilled water for five minutes. To disinfect, first follow the cleaning steps above, then spray cuff with 10% bleach solution until saturated, agitate with a sterile brush over entire cuff surface for five minutes. Rinse continuously with distilled water for five minutes. Wipe off excess water with sterile cloth and allow cuff to air dry.

Calibration Check of Aneroid Sphygmomanometer

Quick Check of Calibration:

At zero pressure, make certain the pointer is within the oval surrounding the zero-pressure gradation on the dial. Although an unpressurized reading of zero does not guarantee accuracy at all scale points, failure of the pointer to indicate zero (± 3 mm Hg) is an obvious sign of error.

Full Check of Calibration:

Welch Allyn recommends a full check of calibration at least every two years or according to local law and after maintenance and repair use the following procedure.

1. Connect the instrument under test to a high quality, known pressure standard and a 150 to 500 cc test volume using a T-connector.
2. Pressurize gauge to slightly above 300 mm Hg.
3. Bleed pressure down no faster than 10 mm Hg per second, stopping to check the pressure at 300, 250, 200, 150, 100, 50 (60 for US) and 0 mm Hg.

NOTE: Your ability to measure the accuracy of a gauge depends upon the sensitivity of the pressure standard you use for the calibration procedure.

If using a manometer (mercury column or aneroid gauge) rated at ± 3.0 mm Hg, an undetectable error of up to 6.0 mm Hg is possible. If using a device (e.g., digital pressure standard) rated at ± 0.1 mm Hg, an undetectable error of up to only 3.1 mm Hg is possible.

Welch Allyn recommends using as sensitive as possible a pressure standard when performing calibration checks. A Setra Pressure Meter (part no. 2270-01), which is calibrated for ± 0.1 mm Hg, or Netech (part no. 200-2000IN), which is calibrated for ± 1.0 mm Hg, works well for this application. Welch Allyn offers each meter, contact distributor.

Welch Allyn®

Wall and Mobile Aneroid Sphygmomanometer

Directions for Use

⚠ **CAUTION: U.S. federal law restricts this device to sale by or on the order of a physician or licensed healthcare practitioner. This device should be used by trained personnel.**

Model 509 and Model 767

Welch Allyn®

Advancing Frontline Care™

Mat'l #708382 Rev. A

Warranty

Your Welch Allyn product, when new, is warranted to be free from original defects in material and workmanship and to perform in accordance with manufacturer's specifications under normal use and service. The warranty period* begins from the date of purchase from Welch Allyn, Inc. or its authorized distributors. Welch Allyn's obligation is limited to the repair or replacement of components determined by Welch Allyn to be defective within the warranty period. These warranties extend to the original purchaser and cannot be assigned or transferred to any third party. This warranty shall not apply to any damage or product failure determined by Welch Allyn to have been caused by misuse, accident (including shipping damage), neglect, improper maintenance, modification, or repair by someone other than Welch Allyn or one of its authorized service representatives.

*Gauge Warranty

Should the Welch Allyn aneroid sphygmomanometer deviate from the ± 3 mm Hg accuracy specification during the warranty period, Welch Allyn will recalibrate the sphygmomanometer at no charge. Return the gauge only to Welch Allyn Technical Service or your local Welch Allyn authorized representative.

Welch Allyn Model 509: Lifetime calibration warranty

Welch Allyn Model 767: Lifetime calibration warranty

*Cuff Warranty: Welch Allyn FlexiPort Reusable Cuff: Three-year warranty
Welch Allyn Two-Piece Cuff: Two-year warranty.

These express warranties are in lieu of any and all other warranties, express or implied, including the warranties of merchantability and fitness for a particular purpose, and no other person has been authorized to assume for Welch Allyn any other liability in connection with the sale of the Welch Allyn product. Welch Allyn shall not be liable for any loss or damages, whether direct, incidental, or consequential, resulting from the breach of any express warranty, except as set forth herein.